

Receipt date: 02/05/2007

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10587444 - GAU:1796

PTO/SB/21 (09-06)

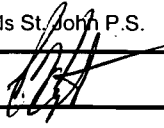
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PTO TRANSMITTAL FORM FEB 05 2007 PATENT AND TRADEMARK OFFICE	Application Number	10/587,444	
	Filing Date	July 25, 2006	
	First Named Inventor	Janet Boggs	
	Art Unit	Unassigned	
	Examiner Name	Unknown	
Total Number of Pages in This Submission		Attorney Docket Number	PC3-325

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Return Receipt Postcard PTO Form-1449 Copies of all cited foreign references and articles
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Firm Name	Wells St. John P.S.		
Signature			
Printed name	Robert G. Hyta		
Date	1/31/07	Reg. No.	46,791

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EV 979440244



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/587,444
Filing Date July 25, 2006
Inventor Janet Boggs et al.
Assignee PCBU Services, Inc.
Group Art Unit Unassigned
Examiner Unknown
Attorney's Docket No. PC3-325
Customer No. 021567
Title: Production Processes and Systems, Compositions, Surfactants, Monomer Units,
Metal Complexes, Phosphate Esters, Glycols, Aqueous Film Forming Foams, and Foam
Stabilizers

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449


The attached Form PTO-1449 is submitted in compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the references listed on the attached Form PTO-1449. Pursuant to Federal Register Vol. 69, No. 182, pg. 56542 (September 21, 2004), no copies of any cited U.S. patents or U.S. published applications are included herewith. Copies of all other cited art references are attached. No admission is made regarding whether the submitted references are prior art.

This Information Disclosure Statement is being filed before receipt of the first examination on the merits. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this Information Disclosure Statement, please charge the fee specified under 37 C.F.R. §1.17(p) to Deposit Account No. 23-0925.

Citation of these references is respectfully requested.

Respectfully submitted,

Dated: 1/31/07By: [Signature]Robert C. Hyta
Reg. No. 46,791

Form 1-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-325		SERIAL NO. 10/587,444		
 LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Janet Boggs et al.				
				FILING DATE July 25, 2006		GROUP Unknown		
U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	1,092,141	11/67	Daikin et al.				
	AB	2,559,749	07/51	Benning				
	AC	2,567,011	09/51	Diesslin et al.				
	AD	2,597,702	05/52	Benning				
	AE	2,995,542	08/61	Brown				
	AF	3,083,224	03/63	Brace et al.				
	AG	3,096,207	07/63	Cohen				
	AH	3,112,241	11/63	Mackenzie				
	AI	3,145,222	08/64	Brace				
	AJ	3,172,910	03/65	Brace				
	AK	3,194,840	07/65	Berry				
	AL	3,238,235	03/66	Hauptschein et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	EP 765676	04/97	Europe (abstract)			X	
	AN	DE 2120868	11/71	Germany (abstract)			X	
	AO	DE 2239709	02/73	Germany (abstract)			X	
	AP	DE 2247111	04/74	Germany (abstract)			X	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Sawada, Hideo: "Novel Self-Assembled Molecular Aggregates Formed by Fluoroalkyl End-Capped Oligomers and Their Application" <i>Journal of Fluorine Chemistry</i> 121 (2003), pgs. 111-130						
EXAMINER /Brian Mruk/				DATE CONSIDERED 05/20/2010				
*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,256,231	06/66	Johnson, Jr. et al.			
	AB	3,282,905	11/66	Fasick et al.			
	AC	3,304,278	02/67	Hauptschein et al.			
	AD	3,351,643	11/67	Hauptschein et al.			
	AE	3,351,644	11/67	Hauptschein et al.			
	AF	3,450,755	06/69	Ahlbrecht			
	AG	3,457,247	07/69	Katsushima et al.			
	AH	3,458,571	07/69	Tokoli			
	AI	3,475,333	10/69	Meldrum et al.			
	AJ	3,491,169	01/70	Raynolds et al.			
	AK	3,497,575	02/70	Kleiner et al.			
	AL	3,498,958	03/70	Ray-Chaudhuri et al.			

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	DE 2247182	04/74	Germany (abstract)			X	
	AN	GB 2 070 595	02/80	United Kingdom			X	
	AO	GB 2 018 759	04/78	United Kingdom			X	
	AP	JP 04272986	09/92	Japan (abstract)			X	

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
	AQ	Sawada, et al.; "Synthesis and Surfactant Properties of Fluoroalkylated Sulfonic Acid Oligomers as a New Class of Human Immunodeficiency Virus Inhibitors", <i>Journal of Fluorine Chemistry</i> 79 (1996), pgs. 149-155
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,514,420	05/70	Katsushima et al.			
	AB	3,532,659	10/70	Hager et al.			
	AC	3,536,749	10/70	Groves			
	AD	3,544,663	12/70	Hauptschein et al.			
	AE	3,574,518	04/71	Detomaso			
	AF	3,575,940	04/71	Katsushima et al.			
	AG	3,623,963	11/71	Voss et al.			
	AH	3,636,085	01/72	Kleiner			
	AI	3,721,706	03/73	Hoffman et al.			
	AJ	3,752,783	08/73	Iwantani			
	AK	3,759,981	09/73	Hager et al.			
	AL	3,816,277	06/74	Haszeldine et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	JP 04272987	09/92	Japan (abstract)			X
	AN	JP 43020466	09/68	Japan (abstract)			X
	AO	JP 44001216	01/69	Japan (abstract)			X
	AP	JP 48023684	03/73	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ		Krafft, et al.; "Highly fluorinated amphiphiles and colloidal systems...."; Biochimie 1998; 1 page; (Database 1998:620482 CAPLUS)				
	AR		Nivet et al; "Synthesis and bioacceptability of fluorinated...."; European Journal of Medicinal Chemistry, 1992; 1 page; (Database 1993:408334 CAPLUS)				
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,824,126	07/74	Katsushima et al.			
	AB	3,839,425	10/74	Bartlett			
	AC	3,883,596	05/75	Hager et al.			
	AD	3,899,484	08/75	Walter			
	AE	3,906,049	09/75	Hager et al.			
	AF	3,907,576	09/75	Dear et al.			
	AG	3,919,361	11/75	Katsushima et al.			
	AH	3,933,819	01/76	Toukan et al.			
	AI	3,957,657	05/76	Chiesa, Jr.			
	AJ	4,000,188	12/76	Dear et al.			
	AK	4,043,923	08/77	Loudas			
	AL						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	JP 49040040	10/74	Japan (abstract)			X
	AN	JP 53081799	07/78	Japan (abstract)			X
	AO	JP 55071779	05/80	Japan (abstract)			X
	AP	JP 56122336	09/81	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ		Sawada et al.; "Synthesis and properties of...."; European Polymer Journal, 1999, 1 page; (Database 1999:411635 CAPLUS)				
	AR		Nivet et al.; "Evaluation of a series of...."; Journal of Dispersion Science and Technology, 1992 ; 1 page; (Database 1993:66807 CAPLUS)				
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	AA	4,060,132	11/77	Chiesa Jr.			
	AB	4,060,489	11/77	Chiesa Jr.			
	AC	4,081,399	03/78	Dear et al.			
	AD	4,089,804	05/78	Falk			
	AE	4,113,748	09/78	Hager et al.			
	AF	4,126,633	11/78	Toukan et al.			
	AG	4,127,711	11/78	Lore et al.			
	AH	4,134,754	01/79	Hoffman			
	AI	4,145,382	03/79	Hayashi et al.			
	AJ	4,147,851	04/79	Raynolds			
	AK	4,170,636	10/79	Engel et al.			
	AL	4,177,351	12/79	Toukan et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
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	AM	JP 56169666	12/81	Japan (abstract)			X
	AN	JP 58042682	03/83	Japan (abstract)			X
	AO	JP 58201752	11/83	Japan (abstract)			X
	AP	JP 59059977	04/84	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Nivet et al.; "Synthesis of new ***perfluoroalkylated***...."; New Journal of Chemistry 1994; 1 page; (Database 1995:38527 CAPLUS)					
	AR	Sawada et al.; "Novel fluorinated...."; Nihon Yukagakkaishi, 2000; 1 page; (Database 2000:752279 CAPLUS)					
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,188,307	02/80	Bathelt			
	AB	4,192,754	03/80	Marshall et al.			
	AC	4,209,456	06/80	Billenstein et al.			
	AD	4,230,495	10/80	Lee et al.			
	AE	4,254,266	03/81	Toukan et al.			
	AF	4,283,533	08/81	Richter			
	AG	4,303,534	12/81	Hisamoto et al.			
	AH	4,306,979	12/81	Tsuji			
	AI	4,317,859	03/82	Smith			
	AJ	4,351,946	09/82	Toukan et al.			
	AK	4,366,299	12/82	Dessaint			
	AL	4,387,032	06/83	Chiesa, Jr.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	JP 61069813	04/86	Japan (abstract)			X
	AN	JP 08012536	01/96	Japan (abstract)			X
	AO	JP 08081883	03/96	Japan (abstract)			X
	AP	JP 2000126327	05/00	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Enjalbert et al.; "Synthesis of new cationic and amphoteric triple-chain...."; Research on Chemical Intermediates, 1998; 1 page; (Database 1998:422963 CAPLUS)					
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,388,212	06/83	Richter			
	AB	4,419,298	12/83	Falk et al.			
	AC	4,420,434	12/83	Falk			
	AD	4,424,133	01/84	Mulligan			
	AE	4,460,480	07/84	Kleiner et al.			
	AF	4,464,267	08/84	Chiesa, Jr. et al.			
	AG	4,472,286	09/84	Falk			
	AH	4,478,975	10/84	Dessaint et al.			
	AI	4,486,391	12/84	Hashimoto			
FOREIGN PATENT DOCUMENTS							
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							Yes No
	AJ	JP 2000159840	06/00	Japan (abstract)			X
	AK	JP 2003312156	11/03	Japan (abstract)			X
	AL	US2005/003429	01/05	PCT-IPRP/Written Opinion			X
	AM	US05/03429	01/05	PCT-Int'l Search Rpt			X
	AN	US2005/002617	01/05	PCT-IPRP/Written Opinion			X
	AO	US05/02617	01/05	PCT-Int'l Search Rpt			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AP	Szonyi et al.; "Synthesis of new amphoteric ... double-chain...."; Rivista Italiana delle Sostanze Grasse, 1998; 1 page; (Database 1998:465664 CAPLUS)					
	AQ	Prescher et al.; "Nitrogen-containing fluorosurfactants"; Tenside, Surfactants, Detergents, 1992; 1 page; (Database 1992:653923 CAPLUS)					
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	AA	4,507,859	04/85	Shinjo				
	AB	4,563,287	01/86	Hisamoto et al.				
	AC	4,591,473	05/86	Lofquist et al.				
	AD	4,600,774	07/86	Koshar				
	AE	4,697,011	09/87	DesMarteau				
	AF	4,717,744	01/88	Boutevin et al.				
	AG	4,720,578	01/88	Liu				
	AH	4,760,205	07/88	Probst et al.				
	AI	4,833,274	05/89	Caporiccio et al.				
	AJ	4,879,324	11/89	Lausberg et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
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	AK	US2005/003433	01/05	PCT-IPRP/Written Opinion			X	
	AL	US05/03433	01/05	PCT-Int'l Search Rpt			X	
	AM	US2005/003137	01/05	PCT-IPRP/Written Opinion			X	
	AN	US05/03137	01/05	PCT-Int'l Search Rpt			X	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AO	Enjalbert et al.; "Synthesis fo new double-chain cationic...."; Tenside, Surfactants, Detergents, 1998; 1 page; (Database 1992:550675 CAPLUS)						
	AP	Rzhevskii et al.; "Testing of ***surfactants***...."; Tsvetnye Metally (Moscow), 1998; 1 page; (Database 1999:114673 CAPLUS)						
	AQ	Murata et al.; "Selective synthesis of fluorinated ethers...."; The Royal Society of Chemistry, 2002; pps. 60-63						
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	AA	4,985,526	01/91	Kishita et al.			
	AB	4,983,769	01/91	Bertocchio et al.			
	AC	4,898,981	02/90	Falk et al.			
	AD	5,026,910	06/91	Bollens et al.			
	AE	5,045,634	09/91	Fernandez et al.			
	AF	5,091,550	02/92	Falk et al.			
	AG	5,107,021	04/92	Bollens et al.			
	AH	5,132,445	07/92	Falk et al.			
	AI	5,218,021	06/93	Clark et al.			
	AJ	5,240,990	08/93	Kallfass et al.			
	AK	5,310,870	05/94	Peavy			
	AL	5,391,721	02/95	Hanen et al.			
FOREIGN PATENT DOCUMENTS							
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	AM	US2005/003138	01/05	PCT-IPRP/Written Opinion			X
	AN	US05/03138	01/05	PCT-Int'l Search Rpt			X
	AO	7-793	07/95	Japan			x
	AP	2-12681	02/90	Japan			x
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	AQ						
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	AC	5,478,486	12/95	Incorvia			
	AD	5,491,261	02/96	Haniff et al.			
	AE	5,508,099	04/96	Incorvia			
	AF	5,534,192	07/96	Incorvia et al.			
	AG	5,539,024	07/96	Kirchmeyer et al.			
	AH	5,547,711	08/96	Kirchmeyer et al.			
	AI	5,629,372	05/97	Anton et al.			
	AJ	5,639,845	06/97	Inomata et al.			
	AK	5,648,527	07/97	Prossel et al.			
	AL	5,648,528	07/97	Prossel et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	WO 94/18245	08/94	PCT			X
	AN	WO 98/19742	05/98	PCT			X
	AO	WO 01/27235 A1	04/01	PCT			X
	AP						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ						
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-325		SERIAL NO. 10/587,444	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Janet Boggs et al.			
				FILING DATE July 25, 2006		GROUP Unknown	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,674,961	10/97	Fitzgerald			
	AB	5,798,415	08/98	Corpart et al.			
	AC	5,827,919	10/98	May			
	AD	5,847,206	12/98	Pavia et al.			
	AE	5,847,243	12/98	Skiya et al.			
	AF	5,883,185	03/99	Matsumura et al.			
	AG	5,919,527	07/99	Fitzgerald et al.			
	AH	5,965,656	10/99	Yamamoto et al.			
	AI	6,002,002	12/99	Ürögdi et al.			
	AJ	6,015,838	01/00	Stern et al.			
	AK	6,031,141	02/00	Mallikarjuna et al.			
	AL	6,120,892	09/00	Fitzgerald et al.			
FOREIGN PATENT DOCUMENTS							
					Class	Subclass	Translation
							Yes No
	AM						
	AN						
	AO						
	AP						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ						
EXAMINER /Brian Mruk/				DATE CONSIDERED 05/20/2010			
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Janet Boggs et al.			
				FILING DATE July 25, 2006		GROUP Unknown	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	6,197,382 B1	03/01	Ornstein et al.			
	AB	6,218,464 B1	04/01	Parker et al.			
	AC	6,235,951	05/01	Sakyu et al.			
	AD	6,284,853 B1	09/01	Yamana et al.			
	AA E	6,294,107 B1	09/01	Peters et al.			
	AF	6,297,308 B1	10/01	Jariwala et al.			
	AG	6,379,578 B1	04/02	Shiga			
	AH	6,383,569 B2	05/02	Ornstein et al.			
	AI	6,486,245 B1	11/02	Thünemann et al.			
	AJ	6,451,717 B1	09/02	Fitzgerald et al.			
	AK	6,509,300 B1	01/03	Gupta			
	AL	6,525,127 B1	02/03	Jariwala et al.			
	AM	6,536,804 B1	03/03	Dunsmore et al.			
	AN	6,566,470 B2	05/03	Kantamneni et al.			
	AO	6,613,862 B2	09/03	Clark et al.			
	AP	6,646,088 B2	11/03	Fan et al.			
	AQ	6,800,788 B2	10/04	Bradley et al.			
	AR	6,803,109 B2	10/04	Qiu et al.			
	AS	6,803,425 B2	10/04	Hintzer et al.			
	AT						
EXAMINER /Brian Mruk/		DATE CONSIDERED 05/20/2010					
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Janet Boggs et al.	
		FILING DATE July 25, 2006	ART GROUP Unknown

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*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	6,809,216 B2	10/04	Bradley et al.			
	AB	6,814,880 B1	11/04	Graf et al.			
	AC	6,818,253 B2	11/04	Kimbrell			
	AD	6,818,717 B2	11/04	Kantamneni			
	AE	6,821,496 B2	11/04	Igumnov et al.			
	AF	6,824,754 B2	11/04	Subramaniam et al.			
	AG	6,824,882 B2	11/04	Boardman et al.			
	AH	6,830,703 B2	12/04	Klug et al.			
	AI	6,833,419 B2	12/04	Morschhäuser et al.			
	AJ	2001/0000343	04/01	Bowers			
	AK	2002/0042034	04/02	Yoshioka			
	AL	2003/0013924	01/03	Howell et al.			
	AM	2003/0092862	05/03	Thomas et al.			
	AN	2003/0109662	06/03	Medsker et al.			
	AO	2003/0153780	08/03	Haniff et al.			
	AP	2003/0195314	08/03	Buckanin et al.			
	AQ	2003/0207202	11/03	Fujita et al.			

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